

Leonardo Chirco

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

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citations

1937685

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1872680

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g-index

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all docs

12
docs citations

12
times ranked

21
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Optimal Control of Stationary Fluid-Structure Interaction Systems. <i>Fluids</i> , 2020, 5, 144.	1.7	10
2	An adjoint based pressure boundary optimal control approach for fluid-structure interaction problems. <i>Computers and Fluids</i> , 2019, 182, 118-127.	2.5	6
3	Manifold death: A Volume of Fluid implementation of controlled topological changes in thin sheets by the signature method. <i>Journal of Computational Physics</i> , 2022, , 111468.	3.8	5
4	VOF evaluation of the surface tension by using variational representation and Galerkin interpolation projection. <i>Journal of Computational Physics</i> , 2019, 395, 537-562.	3.8	4
5	Numerical simulation of a turbulent Lead Bismuth Eutectic flow inside a 19 pin nuclear reactor bundle with a four logarithmic parameter turbulence model. <i>Journal of Physics: Conference Series</i> , 2019, 1224, 012030.	0.4	3
6	CFD simulation of turbulent flows over wire-wrapped nuclear reactor bundles using immersed boundary method. <i>Journal of Physics: Conference Series</i> , 2020, 1599, 012022.	0.4	2
7	Numerical simulation of a falling drop on a bending wall by coupling a VOF method with a fluid structure interaction solver. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
8	Projection algorithm for simulation of fluid flow around moving objects with immersed boundary method. <i>Journal of Physics: Conference Series</i> , 2019, 1224, 012002.	0.4	1
9	Optimal Pressure Boundary Control of Steady Multiscale Fluid-Structure Interaction Shell Model Derived from Koiter Equations. <i>Fluids</i> , 2021, 6, 149.	1.7	1
10	Natural convection in a squared cavity via a numerical coupling between a FEM code and OpenFOAM. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
11	An optimal control approach to a fluid-structure interaction parameter estimation problem with inequality constraints. <i>Computers and Fluids</i> , 2021, 226, 104999.	2.5	0
12	A multigrid local smoother approach for a domain decomposition solver over non-matching grids. <i>Numerical Methods for Partial Differential Equations</i> , 0, , .	3.6	0